

This is an official
CDC Health Advisory

Distributed via Health Alert Network
September 05, 2005, 14:45 EDT (02:45 PM EDT)

Guidelines for the Management of Acute Diarrhea

Increased incidence of acute diarrhea may occur in post-disaster situations where access to electricity, clean water, and sanitary facilities are limited. In addition, usual hygiene practices may be disrupted and healthcare seeking behaviors may be altered. The following are general guidelines for healthcare providers for the evaluation and treatment of patients presenting with acute diarrhea in these situations. However, specific patient treatment should be determined based on the healthcare provider's clinical judgment. Any questions should be directed to the local health department (see document for contact numbers for DHEC health departments).

CHILDREN

Indications for medical evaluation of infants and toddlers with acute diarrhea

- Young age (e.g., aged <6 months or weight <18 lbs.)
- Premature birth, history of chronic medical conditions or concurrent illness
- Fever $\geq 38^{\circ}\text{C}$ (100.4°F) for infants aged <3 months or $\geq 39^{\circ}\text{C}$ (102.2°F) for children aged 3—36 months
- Visible blood in stool
- High output diarrhea, including frequent and substantial volumes of stool
- Persistent vomiting
- Caregiver's report of signs consistent with dehydration (e.g., sunken eyes or decreased tears, dry mucous membranes, or decreased urine output)
- Change in mental status (e.g., irritability, apathy, or lethargy)
- Suboptimal response to oral rehydration therapy already administered or inability of the caregiver to administer oral rehydration therapy

Principles of appropriate treatment for INFANTS AND TODDLERS with diarrhea and dehydration

- Oral rehydration solutions (ORS) such as Pedialyte® or Gastrolyte® or similar commercially available solutions containing sodium, potassium and glucose should be used for rehydration whenever patient can drink the required volumes; otherwise appropriate intravenous fluids may be used.
- Oral rehydration should be taken by patient in small, frequent volumes (spoonfuls or small sips); see below link to table for recommended volumes and time period.
- For rapid realimentation, an age-appropriate, unrestricted diet is recommended as soon as dehydration is corrected
- For breastfed infants, nursing should be continued
- Additional ORS or other rehydration solutions should be administered for ongoing losses through diarrhea
- No unnecessary laboratory tests or medications should be administered
- The decision to treat with antimicrobial therapy should be made on a patient-by-patient basis, on clinical grounds, which may include:

- Fever
- Bloody or mucoid stool
- Suspicion of sepsis

OLDER CHILDREN AND ADULTS

Indications for medical evaluation of children > 3 years old and adults with acute diarrhea

- Elderly age
- History of chronic medical conditions or concurrent illness
- Fever $\geq 39^{\circ}\text{C}$ (102.2°F)
- Visible blood in stool
- High output of diarrhea, including frequent and substantial volumes of stool
- Persistent vomiting
- Signs consistent with dehydration (e.g., sunken eyes or decreased tears, dry mucous membranes, orthostatic hypotension or decreased urine output)
- Change in mental status (e.g., irritability, apathy, or lethargy)
- Suboptimal response to oral rehydration therapy already administered or inability to administer oral rehydration therapy

Principles of appropriate treatment for ADULTS with diarrhea and dehydration

- Oral rehydration solutions (ORS) such as Pedialyte® or Gastrolyte® or similar commercially available solutions containing sodium, potassium and glucose should be used for rehydration whenever patient can drink the required volumes; otherwise appropriate intravenous fluids may be used.
- Oral rehydration should be taken by patient in small, frequent volumes (spoonfuls or small sips); see below link to table for recommended volume and time period.
- For rapid realimentation, unrestricted diet is recommended as soon as dehydration is corrected
- Additional ORS or other rehydration solutions should be administered for ongoing losses through diarrhea
- No unnecessary laboratory tests or medications should be administered
- Antimotility agents such as Lomotil® or Immodium® should be considered only in patients who are NOT febrile or having bloody/mucoid diarrhea. Antimotility agents may reduce diarrheal output and cramps, but do not accelerate cure.
- The decision to treat with antimicrobial therapy should be made on a patient-by-patient basis, on clinical grounds, which may include
 - Fever
 - Bloody or mucoid stool
 - Suspicion of sepsis

Additional Information

This document is also available online with a table describing the degrees of dehydration at:
<http://www.bt.cdc.gov/disasters/hurricanes/dguidelines.asp>

DHEC Contact Information for Reportable Diseases and Reporting Requirements

Reporting of outbreaks/clusters of cases is consistent with South Carolina Law requiring the reporting of diseases and conditions to your state or local public health department. (State Law # 44-29-10 and

Regulation # 61-20) as per the DHEC 2004 List of Reportable Conditions available at:
http://www.scdhec.gov/health/disease/docs/reportable_conditions.pdf

Federal HIPAA legislation allows disclosure of protected health information, without consent of the individual, to public health authorities to collect and receive such information for the purpose of preventing or controlling disease. (HIPAA 45 CFR §164.512).

Public Health Offices

Mail or call reports to the Epidemiology/Disease Report Office in the appropriate county listed below.

Region 1

(Anderson, Oconee)
220 McGee Road
Anderson, SC 29625
Phone: (864) 231-1966
Fax: (864) 260-5623
Nights / Weekends: 1-(866)-298-4442

(Abbeville, Edgefield, Greenwood, Laurens, McCormick, Saluda)

PO Box 3227
1736 S. Main Street
Greenwood, SC 29646
Phone: 1-888-218-5475
Fax: (864) 942-3690
Nights / Weekends: 1-800-420-1915

Region 2

(Cherokee, Spartanburg, Union)
PO Box 4217
151 E. Wood Street
Spartanburg, SC 29305-4217
Phone: (864) 596-2227 ext. 210
Fax: (864) 596-3443
Nights / Weekends: (864) 809-3825

(Greenville, Pickens)

PO Box 2507
200 University Ridge
Greenville, SC 29602-2507
Phone: (864) 282-4139
Fax: (864) 282-4373
Nights / Weekends: (864) 460-5355 or
1-800-993-1186

Region 3

(Chester, Lancaster, York)
PO Box 817
1833 Pageland Highway
Lancaster, SC 29721
Phone: (803) 286-9948
Fax: (803) 286-5418
Nights / Weekends: 1-(866)-867-3886 or
1-(888)-739-0748

(Fairfield, Lexington, Newberry, Richland)

2000 Hampton Street
Columbia, SC 29204
Phone: (803) 576-2749
Fax: (803) 576-2993
Nights / Weekends: (803) 304-4252

Region 4

(Clarendon, Kershaw, Lee, Sumter)
PO Box 1628
105 North Magnolia Street
Sumter, SC 29150
Phone: (803) 773-5511
Fax: (803) 773-6366
Nights / Weekends: 1-(877)-831-4647

(Chesterfield, Darlington, Dillon, Florence, Marlboro, Marion)

145 E. Cheves Street
Florence, SC 29506
Phone: (843) 661-4830
Fax: (843) 661-4859
Nights / Weekends: (843) 660-8145

Region 5

(Aiken, Allendale, Barnwell)
1680 Richland Avenue, W. Suite 40
Aiken, SC 29801
Phone: (803) 642-1618
Fax: (803) 643-8386
Nights / Weekends: (803) 827-8668 or
1-800-614-1519

Region 5 (cont.)

(Bamberg, Calhoun, Orangeburg)
PO Box 1126
1550 Carolina Avenue
Orangeburg, SC 29116
Phone: (803) 533-7199
Fax: (803) 536-9118
Nights / Weekends: (803) 954-8513

Region 6

(Georgetown, Horry, Williamsburg)
2830 Oak Street
Conway, SC 29526-4560
Phone: (843) 365-3126
Fax: (843) 365-3153
Nights / Weekends: (843) 381-6710

Region 7

(Berkeley, Charleston, Dorchester)
4050 Bridge View Drive, Suite 600
N. Charleston, SC 29405
Phone: 843-746-3806
Fax: (843) 746-3851
Nights / Weekends: (843) 219-8470

Region 8

(Beaufort, Colleton, Hampton, Jasper)
1235 Lady's Island Drive
Port Royal, SC 29935
Phone: (843) 525-7603
Fax: (843) 525-7621
Nights / Weekends: 1-800-614-4698

Bureau of Disease Control

Acute Disease Epidemiology Division
1751 Calhoun Street
Box 101106
Columbia, SC
Phone: (803) 898-0861
Fax: (803) 898-0897
Nights / Weekends: 1-888-847-0902

Categories of Health Alert messages:

Health Alert conveys the highest level of importance; warrants immediate action or attention.
Health Advisory provides important information for a specific incident or situation; may not require immediate action.
Health Update provides updated information regarding an incident or situation; unlikely to require immediate action.